

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden	
hours per response:	0.5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* GLAXOSMITHKLINE PLC <hr/> (Last) (First) (Middle) 980 GREAT WEST ROAD <hr/> (Street) BRENTFORD, X0 TW8 9GS <hr/> (City) (State) (Zip)			2. Issuer Name and Ticker or Trading Symbol CRISPR Therapeutics AG [CRSP]			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)		
			3. Date of Earliest Transaction (Month/Day/Year) 10/24/2016					
			4. If Amendment, Date of Original Filed (Month/Day/Year)			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person		

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Shares	10/24/2016		C		2,942,560	A	(3)	2,942,560	I	See explanation of responses ⁽²⁾
Common Shares	10/24/2016		C		211,567	A	(3)	3,154,127	I	See explanation of responses ⁽²⁾
Common Shares	10/24/2016		P ⁽¹⁾		66,500	A	\$14 ⁽¹⁾	3,220,627	I	See explanation of responses ⁽²⁾

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Series A-3 Preferred Shares	(3)	10/24/2016		C		2,942,560	(3)	(4)	Common Shares	2,942,560	\$0	0	I	See explanation of responses ⁽²⁾	
Series B Preferred Shares	(3)	10/24/2016		C		211,567	(3)	(4)	Common Shares	211,567	\$0	0	I	See explanation of responses ⁽²⁾	

Explanation of Responses:

- On October 24, 2016, S.R. One, Limited ("S.R. One") acquired 66,500 common shares of the Issuer ("Common Shares") at a price of \$14.00 per share in connection with the Issuer's initial public offering.
- The shares reported herein are held of record by S.R. One, Limited, an indirect, wholly-owned subsidiary of GlaxoSmithKline plc (the "Reporting Person").
- On October 24, 2016, the Series A-3 Preferred Shares and the Series B Preferred Shares converted automatically into Common Shares on a one-for-one basis, upon closing of the Issuer's initial public offering
- Not applicable.

/s/ Simon Dingemans

10/26/2016

** Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.